## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE    |
|---------------------------|----------|--------|---------|
| FEE DETERMINATION         | 16       |        | 10.61 8 |
| O.I.P.E. CLASSIFIER       |          |        |         |
| FORMALITY REVIEW          | L.I      | 1106   | 8/22/01 |
| RESPONSE FORMALITY REVIEW |          |        | 1 1 1   |

## INDEX OF CLAIMS

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
|   | (Through numeral) Canceled | Α   | Appeal       |
|   |                            | 0   | Objected     |

|              |              |          | ÷             |               |  | ••••          | •••••         | •••••     |       | Hes         | ırıcı    | eu    |          |          | ,             | 0     |              | •••••    |              | •••••     |          | . UDJ           | 0011         | Ju |              |           |          |              |
|--------------|--------------|----------|---------------|---------------|--|---------------|---------------|-----------|-------|-------------|----------|-------|----------|----------|---------------|-------|--------------|----------|--------------|-----------|----------|-----------------|--------------|----|--------------|-----------|----------|--------------|
| Claim        |              |          | Da            | ate           |  |               |               |           | CI    | aim         |          | _     | _        |          | Date          | ,     |              |          | _            |           | Cla      | im              |              |    |              | D         | ate      |              |
| Final        | 142402       | 3/2      |               |               |  |               |               |           | Final | 15 Original |          |       |          |          |               |       |              |          |              |           | Final    | 101<br>Original |              | -  |              | -         |          | 1            |
| 2            | 11.          |          | $\pm$         | _             |  |               | L             | $\exists$ | -     | 52          | -        | _     | 1        | $\dashv$ | 1             | 7     |              | +        | +            | 1         | F        | 102             | 1            | -  | $\ddagger$   | #         | #        | 7            |
| 3            | 11           | 14       | _             | +             | L                                      |               |               |           |       | 54          |          |       |          |          |               |       | _            | +        | $^{+}$       | 1         |          | 104             | +            | #  | ‡            | ‡         | ‡        | ‡            |
| 5<br>6       | 17           | 14       |               | $\pm$         | L                                      |               |               |           |       | 56          |          |       |          |          |               |       |              |          | +            | 1         |          | 106             | 1            | #  | +            | #         | +        | $^{\dagger}$ |
| 7            | 300          | 11       |               | +             |  | L             |               |           | F     | 58          |          |       |          |          | 4             |       | 1            | 1        | +            | 1         |          | 108             | $\downarrow$ | 1  | +            | #         | +        | #            |
| 10           | VV           | V        |               | _             |  | L             |               |           | -     | 60          |          |       |          |          | _             |       | 4            |          | 1            |           |          | 110             | _            | _  | #            | #         | #        | #            |
| 11           | VV           | 14       | +             | +             |  | L             |               |           | -     | 62          |          |       |          |          |               |       |              |          | #            |           | -        | 112             | <del> </del> | +  | #            | #         | #        | $\dashv$     |
| 13           | 111          | 1        | 1             | +             | +                                      |               | $\perp$       |           | F     | 64          | L        |       |          |          |               |       |              |          | #            |           | -        | 114             | 1            | +  | +            | ‡         | +        | $\dashv$     |
| 15<br>16     | 100          | 14       |               |               |  |               | 1             |           | -     | 66          |          |       | _        |          |               |       |              |          | #            |           | F        | 116             | 7            | 1  | +            | #         | +        | 7            |
| 18           | 3 7          | 1.       | $\perp$       | $\pm$         |  | t             | -             |           | -     | 60          | 上        | -     |          |          |               |       |              | 1        | _            | 1         |          | 118             | 1            | 1  | #            | #         | #        | 7            |
| (20          | M            |          | $\frac{1}{2}$ | 1             |  | t             |               |           |       | 70          |          |       |          |          |               |       |              |          |              |           | E        | 120             |              | 1  | #            | 寸         | #        |              |
| 21           |              |          |               | $\frac{1}{1}$ |  | $\perp$       | $\pm$         |           | -     | 7           | 2        | L     |          |          |               |       |              |          |              | 1         | E        | 121             |              |    | #            | $\dashv$  | #        | $\exists$    |
| 23           | 4 4          | 11<br>11 | $\perp$       | 1             | $\perp$                                | +             | $\pm$         |           | E     | 7           | 4        | L     |          |          |               |       |              |          |              | ╣.        | E        | 123<br>124      |              |    | $\downarrow$ |           | $\dashv$ |              |
| 25           | 6 7 .        | 7 7      |               | +             | +                                      | 1             |               |           |       | 7           | Б        | 1     |          | _        |               |       |              |          | 1            |           |          | 125             |              |    | $\dashv$     |           | 1        |              |
| 20           | 8 4          | ンン       | -             | 1             | $\pm$                                  | $\pm$         |               |           |       | 7           | В        |       | -        | <u> </u> | _             |       |              |          | _            |           | L        | 127             |              |    | 4            |           | _        |              |
| 3            |              | / /      |               | +             | +                                      | +             |               |           |       | 8           | 0        | L     |          |          |               | Ė     |              |          |              |           | F        | 129             |              |    | $\exists$    |           |          | _            |
| 3            |              |          |               |               | $\pm$                                  | $\pm$         | $\perp$       | -         |       | 8           | 2        | L     |          |          |               |       |              |          | $\downarrow$ | ╛         | E        | 131             |              |    | $\exists$    | $\exists$ |          |              |
| 3            |              |          |               |               | +                                      | 1             | +             | $\pm$     | }     | 8           | 4        | L     | $\vdash$ | L        | L             |       |              |          |              | ╛         | F        | 133             |              |    |              |           |          |              |
| t_           | 6            |          |               | $\dashv$      |  | $\pm$         | $\perp$       |           |       | 8           | 6        | ╁     | +        |          |               |       |              |          |              | 1         | -        | 135             |              |    |              |           |          | <u> </u>     |
|              | 37   1<br>38 |          |               |               | $\pm$                                  | $\pm$         | $\pm$         | $\pm$     | }     | -           | 8        | 1     | $\pm$    |          | 1             |       | -            |          |              |           | <u> </u> | 137             |              |    |              |           | H        |              |
| <del> </del> | 10 1         |          |               |               | $\pm$                                  | 1             | $\pm$         | 1         | 1     | - 15        | 19       |       | Ì        |          | L             |       |              |          |              | ╛         | L        | 139             |              |    |              |           |          |              |
|              | 11           |          |               | $\exists$     | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | $\frac{1}{1}$ |               | 1         | }     |             | 12       | $\pm$ |          | F        | F             | L     | $\perp$      | $\vdash$ |              |           |          | 142             |              |    |              |           |          |              |
|              | 13           |          | $\exists$     |               |  | -             | $\frac{1}{1}$ |           |       | 1           | 94       | +     | L        | -        |               | -     | $\perp$      |          |              |           |          | 143             | 1            |    |              |           |          |              |
|              | 15<br>16 !   | $\mp$    |               |               | -                                      | -             | $\prod$       |           |       |             | 95<br>96 | 1     | 1        | 1        | $\frac{1}{2}$ | +     | $\bot$       | _        |              | $\exists$ | L        | 145             |              |    |              |           |          |              |
|              | 17<br>18     | +        |               |               | 1                                      | $\exists$     | -             |           |       | . !         | 97<br>98 | $\pm$ | $\pm$    | 1        |               | t     | $\downarrow$ |          |              |           |          | 141             | 3            |    |              |           |          |              |
| 4            | 49<br>50     |          |               |               | -                                      | $\exists$     | $\exists$     |           |       |             | 99<br>00 | 1     | $\pm$    | _        | -             | $\pm$ | _            | _        |              |           | F        | 15              | 9            |    |              | _         |          |              |

| ••••     |            | ,,00          | icu       |         |   |          |              |     |          |   |          |           |        |          |           |
|----------|------------|---------------|-----------|---------|---|----------|--------------|-----|----------|---|----------|-----------|--------|----------|-----------|
| Cla      | im         | -             |           |         | _ |          | Da           | ate | <br>B    | - |          |           |        |          | ٦         |
|          | Original   |               |           |         |   |          |              |     |          |   |          |           |        |          |           |
| Final    | ŏ          |               | <u> </u>  | L       | 4 |          | _            | 4   |          | Ļ | 4        |           | -      | 4        | _         |
| _        | 101<br>102 | H             | -         | ┝       | + | _        | ┝            | +   |          | ╁ | -        |           | ╀      | +        | $\dashv$  |
|          | 103        |               | $\vdash$  | ┝       | + | _        | H            | 1   | -        | t | $\dashv$ |           | t      | +        | ᅥ         |
|          | 104        |               | -         | t       | † |          | H            | 1   | _        | t | _        |           | t      | 1        |           |
|          | 105        |               |           |         |   |          |              |     |          | l |          |           | Ι      |          |           |
|          | 106        | _             |           |         |   |          |              |     |          | ļ |          | _         | ļ      |          |           |
|          | 107        |               | L         | Ļ       | 4 |          | L            | _   |          | 1 |          |           | ╀      | 4        |           |
|          | 108        |               | ┞         | ╀       | 4 | _        | ┡            | _   |          | ╀ | _        |           | +      | $\dashv$ | _         |
|          | 110        |               | ┝         | ╁       | + |          | H            | -   |          | + |          |           | +      | -        |           |
| -        | 111        |               | ╁         | t       | 1 |          | t            |     | Т        | t |          | Н         | t      | 7        | _         |
| _        | 112        |               | †-        | T       | 7 |          | T            | _   |          | Ī |          |           | Ţ      |          |           |
|          | 113        |               |           |         |   |          |              |     |          | I | _        |           | 1      |          |           |
|          | 114        |               | L         | 1       | _ |          | Ļ            | _   | _        | 1 |          | <u> </u>  | 1      |          |           |
|          | 115        |               | ╀         | +       | 4 |          | ╀            | _   | -        | + |          | -         | +      | _        | _         |
| _        | 116        | -             | +         | ╁       | - |          | ╀            | -   | $\vdash$ | + | _        | ╁         | $^{+}$ | _        |           |
|          | 111        | -             | t         | ╁       |   |          | t            | _   | H        | + |          | $\vdash$  | †      |          | -         |
|          | 119        | -             | t         | †       |   |          | Ť            |     | Γ        | 1 | _        | Т         | 1      |          |           |
|          | 120        | 1             | T         | T       |   | Г        | T            |     | Γ        | 1 |          | Γ         | 1      |          | Г         |
|          | 12         | 1             | T         | T       |   |          | T            |     |          |   |          |           |        | _        |           |
|          | 12         |               | $\perp$   | 1       |   |          | 1            | _   | L        | _ | _        | L         | 4      |          | L         |
|          | 12         |               | 1         | +       |   | L        | +            | _   | -        | 4 |          | ╀         | 4      | _        | ┡         |
| L        | 12         | _             | ╁         | +       | _ |          | +            |     | ╀        | - | _        | ╁         | 1      |          | $\vdash$  |
| H        | 12         | $\overline{}$ | ╁         | $^{+}$  |   | ╁        | $\dagger$    | -   | t        | 1 | _        | $\dagger$ | 1      |          | t         |
| -        | 12         | _             | $\dagger$ | Ť       | _ | T        | 1            |     |          |   |          | I         |        |          |           |
|          | 12         | _             |           | $\perp$ | _ | L        | $\downarrow$ | _   | L        |   |          | ┺         |        | _        | <u> </u>  |
| L        | 12         |               | +         | 4       |   | L        | 4            |     | ╀        | _ |          | +         | _      |          | ╀         |
| H        | 13         | -             | +         | +       |   | $\vdash$ | ╬            |     | +        | - |          | ╁         | -      | _        | ╁╌        |
| H        | 13         |               | +         | +       |   | t        | †            |     | +        |   |          | t         | _      | _        | T         |
| H        | 13         |               | Ť         | 1       |   | t        | †            |     | T        |   | Г        | T         |        |          |           |
|          | 13         | _             |           |         |   |          | I            |     | I        |   |          | ļ         |        |          | L         |
| L        | 13         |               | 4         | 4       |   | Ļ        | 4            |     | 4        | _ | _        | +         | _      | _        | ╁         |
| -        | 13         |               | +         | 4       | _ | ╀        | +            | _   | +        | _ | -        | +         | _      | H        | ╁         |
| -        | 13         | -             | +         | +       |   | ╁        | +            | _   | +        | - | H        | t         |        | H        | t         |
| H        | 13         |               | $\dagger$ | 7       | _ | †        | 1            |     | +        |   |          |           |        |          |           |
| Γ        | 14         |               |           |         |   | Γ        | Ţ            |     |          |   | L        | L         | _      |          |           |
|          | 14         |               |           |         |   |          | $\Box$       |     |          |   | L        | L         |        | L        | 1         |
| L        |            | 12            | _         | 4       |   | 1        | 4            |     | 4        | _ | L        | 4         | _      | -        | +         |
| L        |            | 13<br>14      | +         | 4       | _ | ╀        | -            | _   | ╀        | _ | ┝        | +         | _      | H        | ╁         |
| H        | 1          | 14<br>15      | +         | -       | - | +        | $\dashv$     |     | +        |   | ┝        | ╁         |        | ┝        | +         |
| $\vdash$ |            | 16            | +         | +       | _ | t        | +            | -   | +        | _ | 1        | †         | -      |          | $\dagger$ |
|          |            | 17            | +         | 7       | _ | T        | 1            |     | †        | _ | Ī        |           | _      | Γ        | Ι         |
|          |            | 18            | $\perp$   |         |   | I        |              | _   | 1        |   | L        | Ţ         |        |          | I         |
| L        | 1.         | 49            | 4         | 1       |   | 1        | 4            | _   | +        | _ | -        | +         | _      | L        | ╁         |
| L        | Ħ,         | 50            |           |         | _ |          | i            |     | _L       | _ |          | _         | _      | ــــا    | _         |

If more than 150 claims or 10 actions staple additional sheet here

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